

Please replace paragraph 45 beginning at page 14,
line 22, with the following rewritten paragraph:

Q2 Figures 2A-C shows the nucleotide (SEQ ID NO:1) and deduced amino acid (SEQ ID NO:2) sequences of the p75 receptor. TBP-II and transmembranal domains are boxed and shaded. The region recognized by the group 67 antibodies is underlined, and the region recognized by the anti-stalk antibodies is underlined by a broken line.

Please replace paragraph 71 beginning at page 27,
line 2, with the following rewritten paragraph:

Q3 In order to compare the function of the 67 group antibodies, not only to antibodies which bind to the receptor at the 67 epitope region, but also to antibodies that bind to the receptor downstream to that epitope region, we immunized rabbits with a chimeric construct corresponding to the region extending downstream to the 32 epitope (amino acids 181 to 235; the "stalk" region), linked to MBP. The rabbits developed antibodies which bound to the chimera with which they were immunized as well as to the intact p55 TNF receptor. These antibodies were affinity purified by binding to the chimeric protein, linked to an AFFIGEL 10 column (N-hydroxysuccinimide ester of a derivatized cross-linked agarose gel bead support, available from Bio-Rad Laboratories), and

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tested for effect on TNF function and binding. (The affinity purified antibody preparation was termed "318"). The mapping of epitope 67 was carried out by examining the ability of antibodies number 67 and 13 (an antibody that binds to the upper part of the extracellular domain of the p75 TNF-R) as well as antiserum 318, to immunoprecipitate the following methionine-labeled soluble p75 TNF-R mutants: WT- a receptor extending from amino acid 22 to amino acid 234, D4D- a receptor like WT, from which the 4th cysteine-rich domain has been deleted (amino acids 141 to 180). The receptors were produced by *in vitro* transcription of cDNAs encoding them (from the BLUESCRIPT vector (a phagemid vector derived from pUC19, available from Stratagene), using the T7 promoter) followed by *in vitro* translation using the PROMEGA TNT kit (an *in vitro* translation kit available from Promega). The immunoprecipitated proteins were analyzed by SDS PAGE, followed by autoradiography. (A) Immunoprecipitation of WT. All antibodies were effective. (B) Immunoprecipitation of D4D. Only antibodies 13 and 318 were effective. The findings indicate that epitope 67 is located at the upper part of the 4th cysteine rich domain, within about amino acids 141 to 180.
